

Claims

1. A mechanism comprising a base (12) and a platform (14) movable relative to the base (12) in a plane extending through the base (12) and platform (14), the base
5 (12) being provided with two rotatable drive members (20) connected to the platform (14) via respective linkages, each linkage comprising a drive link (22) having a first end fixed for rotation with a respective drive member (20) and a driven link (30,32) having a first end pivotally connected to the platform (14), the respective second ends of the drive and driven links being pivotally connected together, wherein one of said
10 linkages further includes location means (24,26,28) operable to maintain the platform (14) in a predetermined orientation with respect to the base (12) during movement thereof, the location means comprising a bell crank (26) provided at the pivotal connection (50) between the drive and driven links, a first location link (24) pivotally connected between one arm of the bell crank (26) and the base (12), and a second
15 location link (28) pivotally connected between the other arm of the bell crank and the platform (14).
2. A mechanism according to claim 1 and provided with two spaced driven links (30,32) mounted on common pivotal connections to a bell crank (26) and said platform
20 (14) respectively, the links being spaced perpendicularly to said plane.
3. A mechanism according to claim 2 wherein bracing means are provided between the driven links (30,32).
- 25 4. A mechanism according to any preceding claim wherein said first location link (24) is provided with spherical connection means at each end thereof.
5. A mechanism according to any preceding claim wherein said second location link (28) has spherical connection means at each end thereof.
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6. A mechanism according to any preceding claim wherein said driven links (30,32) have spherical connection means at each end thereof.

7. A mechanism according to any preceding claim wherein the driven links (30,32) are longer than the drive links (22).

5 8. A mechanism according to any preceding claim wherein said location means is outboard of said linkages.

9. A mechanism according to any preceding claim wherein both linkages are provided with said location means (24,26,28).

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10. A mechanism according to any preceding claim wherein said base (12) is movable in a direction substantially normal to said plane by a linear drive mechanism.